

Jūratė Kasperovičienė

CONTACT INFORMATION

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<https://orcid.org/0000-0003-4491-3082>
<https://www.researchgate.net/profile/Jurate-Kasperoviciene>

EDUCATION AND ACADEMIC DEGREE

1978 Vilnius University, Faculty of Nature Sciences; biologist, lecturer of biology and chemistry

1990 Degree at PhD, Vilnius University and Institute of Botany (Lithuania), biomedical sciences, botany (B 04)). Dissertation topic: “*The diatoms in Lithuanian freshwaters*”, supervisor – prof. Dr. M. Kabailienė.

PROFESSIONAL EXPERIENCE

2016 – up to now **Senior researcher**

RESEARCH INTEREST

Research focused on algae and cyanobacterial species diversity, biology, ecology; change of phytoplankton communities in the gradient of environmental factors; cyanobacteria that cause "blooms" of water bodies and synthesize toxic compounds; alien species and their ecology; toxins and other secondary metabolites produced by cyanobacteria, assessment of the water quality according to biological, hydrophysical-chemical indicators, use of cyanobacteria and algae in biotechnology.

PUBLICATIONS

Scientific articles published in journals (books), indexed in „Clarivate Analytics Web of Science“ database (with citation index):

1. Savadova-Ratkus K., Mazur-Marzec H., Karosienė J., Sivonen K., Suurnäkki S., **Kasperovičienė J.**, Paškauskas R., Koreivienė J. **2022**. Cyanobacteria and their metabolites in mono- and polidominant shallow eutrophic temperate lakes. – *International Journal of Environmental Research and Public Health*, 19 (22): art. no. 15341. <https://doi.org/10.3390/ijerph192215341>.
2. Savadova-Ratkus K., Mazur-Marzec H., Karosienė J., **Kasperovičienė J.**, Paškauskas R., Vitonytė I., Koreivienė J. **2021**. Interplay of nutrients, temperature, and competition of native and alien cyanobacteria species growth and cyanotoxin production in temperate lakes. – *Toxins*, 13 (1): art. no. 23. <https://doi.org/10.3390/toxins13010023>.
3. Donis D., Mantzouki E., McGinnis D.F., Vachon D., Gallego I., Grossart H.P., Domis L.N.D., Teurlincx S., Seelen L., Lurling M., Verstijnen Y., Maliaka V., Fonvielle J., Visser P.M., Verspagen J., van Herk, M., Antoniou M.G., Tsiarta N., McCarthy V., Perello V.C., Machado-Vieira D., de Oliveira A.G., Maronic D.S., Stevic F., Pfeiffer T.Z., Vucelic I.B., Zutinic P., Udovic M.G., Blaha L., GeriS R., Fankova M., Christoffersen K.S., Warming T.P., Feldmann T., Laas A., Panksep K., Tuvikene L., Kangro K., Koreivienė J., Karosienė J., **Kasperovičienė J.**, <...>, Ibelings, B.W. **2021**. Stratification strength and light climate

- explain variation in chlorophyll a at the continental scale in a European multilake survey in a heatwave summer. – *Limnology and Oceanography*, 66 (12): 4314–4333. <https://doi.org/10.1002/lno.11963>.
4. Karosienė J., Savadova-Ratkus K., Torunska-Sitarz A., Koreivienė J., **Kasperovičienė J.**, Vitonytė I., Blaszczyk A., Mazur-Marzec H. **2020**. First report of saxitoxins and anatoxin-a production by cyanobacteria from Lithuanian lakes. – *European Journal of Phycology*, 55 (3): 327–338. <https://doi.org/10.1080/09670262.2020.1734667>.
 5. Barisevičiūtė R., Mažeika E., Ežerinskis Z., Mažeika J., Butkus L., Šapolaitė J., Garbaras A., Paškauskas R., Jefanova O., Karosienė J., **Kasperovičienė J.**, Remeikis V. **2019**. Tracing carbon isotope variations in lake sediments caused by environmental factors during the past century: a case study of Lake Tapeliai, Lithuania. – *Radiocarbon*, 61 (4): 885–903. <https://doi.org/10.1017/RDC.2019.63>.
 6. Savadova K., Mazur-Marzec H., Karosienė J., **Kasperovičienė J.**, Vitonytė I., Torunska-Sitarz A., Koreivienė J. **2018**. Effect of increased temperature on native and alien Nuisance cyanobacteria from temperate lakes: an experimental approach. – *Toxins*, 10 (11): art. no. 445. <https://doi.org/10.3390/toxins10110445>.
 7. Mantzouki E., Campbell J., van Loon E., Visser P., Konstantinou I., Antoniou M., Giuliani, G., Machado-Vieira D., de Oliveira A.G., Maronic D.S., Stevic F., Pfeiffer T.Z., Vucelic I.B., Zutinic P., Udovic M.G., Plenkovic-Moraj A., Tsiarta N., Blaha L., Geris R., Frankova M., Christoffersen K.S., Warming T.P., Feldmann T., Laas A., Panksep K., Tuvikene L., Kangro K., Haggqvist K., Salmi P., Arvola L., Fastner J., Straile D., Rothhaupt K.O., Fonvielle J., Grossart H.P., Avagianos C., Kaloudis T., Triantis T., Zervou S.K., Hiskia A., Gkelis S., Panou M., McCarthy V., Perello VC., Obertegger U., Boscaini A., Flaim G., Salmaso N., Cerasino L., Koreivienė J., Karosienė J., **Kasperovičienė J.**, <...>, Ibelings B.W. **2018**. Data Descriptor: A European Multi Lake Survey dataset of environmental variables, phytoplankton pigments and cyanotoxins. – *Scientific Data*, 5: art. no. 180226. <https://doi.org/10.1038/sdata.2018.226>.
 8. Mantzouki E., Lurling M., Fastner J., Domis L.D., Wilk-Wozniak E., Koreivienė J., Seelen L., Teurlinx S., Verstijnen Y., Krzton W., Walusiak E., Karosienė J., **Kasperovičienė J.**, <...>, Ibelings BW. **2018**. Temperature effects explain continental scale distribution of cyanobacterial toxins. – *Toxins*. 10 (4): art. no. 156. <https://doi.org/10.3390/toxins10040156>.
 9. Kokociński M., Gaęała I., Jasser I., Karosienė J., **Kasperovičienė J.**, Kobos J., Koreivienė J., Soininen J., Szczurowska A., Woszczyk M., Mankiewicz-Boczek J. **2017**. Distribution of invasive *Cylindrospermopsis raciborskii* in the East-Central Europe is driven by climatic and local environmental variables. – *FEMS Microbiology Ecology*, 93(4). doi: [10.1093/femsec/fix035](https://doi.org/10.1093/femsec/fix035)
 10. Vasiljev, P., Bareikis, R., Borodinas, S., Struckas, A., **Kasperovičienė, J.** **2018**. Ultrasonic longitudinal-radial transducer for algae processing in oil extraction. – *Science of Advanced Materials*. 10 (4): 488-495. DOI: <https://doi.org/10.1166/sam.2018.3049>
 11. Šulčius, S., Montvydienė, D., Mazur-Marzec, H., **Kasperovičienė, J.**, Rulevičius, R., Cibulskaitė, Ž. **2017**. The profound effect of harmful cyanobacterial blooms: from food-web and management perspectives. – *Science of the Total Environment*. 609: 1443-1450. <http://dx.doi.org/10.1016/j.scitotenv.2017.07.253>
 12. Struckas, A., Vasiljev, P., Bareikis, R., Borodinas, S., **Kasperovičienė, J.** **2017**. Ultrasonic zepelin-shape transducer for algae oil extraction. – *Sensors and Actuators A-Physical*. 263: 754-761. <https://doi.org/10.1016/j.sna.2017.05.037>
 13. Karosienė J., **Kasperovičienė J.**, Koreivienė J., Savadova K., Vitonytė I. **2016**. Factors promoting persistence of the bloom-forming *Gonyostomum semen* in temperate lakes. – *Limnologica*. 60: 51–58. <http://dx.doi.org/10.1016/j.limno.2016.05.009>
 14. Vičkačkaitė, V., Lingytė A., **Kasperovičienė J.**, Bugelytė B., Savadova K. **2016**. Selection of an esterification catalyst for assay of total fatty acid content in cyanobacteria and algae using gas chromatography. – *Chemija*. 27 (4): 202–207.

15. Borodinas S., Vasiljev P., Bareikis R., Struckas A., **Kasperovičienė J.** 2016. Algae cell wall disruption by electrohydraulic shock. *Journal of Vibroengineering*. 18 (4): 2508-2514. DOI <http://dx.doi.org/10.21595/jve.2016.16472>
16. Šulčius S., Pilkaitytė R., Mazur-Marzec H., **Kasperovičienė J.**, Ezhova E., Błaszczyk A., Paškauskas, R. 2015. Increased risk of exposure to microcystins in the scum of the filamentous cyanobacterium *Aphanizomenon flos-aquae* accumulated on the western shoreline of the Curonian Lagoon. *Marine Pollution Bulletin*. 99 (1-2): 264-270. DOI: 10.1016/j.marpolbul.2015.07.057
17. Karosienė, J., **Kasperovičienė, J.**, Koreivienė, J., Vitonytė, I. 2014. Assessment of the vulnerability of Lithuanian lakes to expansion of *Gonyostomum semen* (Raphidophyceae). *Limnologica*, 45:7–15. <https://doi.org/10.1016/j.limno.2013.10.005>
18. Koreivienė J., Anne O., **Kasperovičienė J.**, Burškytė V. 2014. Cyanotoxin management and human health risk mitigation in recreational waters. – *Environmental Monitoring and Assessment*, 186(7): 4443–4459. doi: 10.1007/s10661-014-3710-0
19. Koreivienė J., **Kasperovičienė J.** 2011. Alien cyanobacteria *Anabaena bergii* var. *limnetica* Couté et Preisig from Lithuania: some aspects of taxonomy, ecology and distribution. – *Limnologica*, 41(4): 325–333. doi:10.1016/j.limno.2011.01.004
20. Šeirienė V., Kabailienė M., **Kasperovičienė J.**, Mažeika J., Petrošius R., Paškauskas R. 2009. Reconstruction of postglacial palaeoenvironmental changes in eastern Lithuania: Evidence from lacustrine sediment data. – *Quaternary International*. 207: 58–68. doi:10.1016/j.quaint.2008.12.005
21. Kahlert M., Albert R.L., Anttila E.L., Bengtsson R., Bigler C.H., Eskola T., Gälman V., Gottschalk S., Herlitz E., Jarlman A., **Kasperovičienė J.**, Kokociński M., Luup H., Miettinen J., Paunksnyte I., Pirssoo K., Quintana I., Raunio J., Sandell B., Simola H., Sundberg I., Vilbaste S., Weckström J. 2009. Harmonization is more important than experience—results of the first Nordic-Baltic diatom intercalibration exercise 2007 (stream monitoring). – *Journal of Applied Phycology*. 21: 471–482. DOI 10.1007/s10811-008-9394-5
22. Koreivienė J., **Kasperovičienė J.** 2003. The review of the family *Botryococcaceae* Wille in some lakes in Lithuania. – *Biologia (Bratislava)*, 58(4): 489–502.

Scientific articles published in journals (books), indexed in „Clarivate Analytics Web of Science“ database (without citation index) (2011–2022):

1. Valskys V., Gulbinas Z., Stoyneva-Gärtner M., Uzunov B., Skorupskas R., Karosienė J., **Kasperovičienė J.**, Rašomavičius V., Uogintas D., Audzijonytė A., Dainys J., Urbanavičius R., Urbanavičiūtė I., Vaičiūtė D., Bučas M., Grendaitė D., Stonevičius E., Gedvilas A., Koreivienė J. 2022. Application of remote sensing in environmental studies: advantages and challenges. – *Annual of Sofia University Kliment Ohridski“*. Botany. 106 (2): 31–45.
2. Koreivienė J., Karosienė J., **Kasperovičienė J.**, Paškauskas R., Messyasz B., Łęska B., Pankiewicz R., Gulbinas Z., Valskys V., Walusiak E., Krzton W., Kustosz D., Wilk-Woźniak E. 2019. EU project of LIFE programme “Algae Service for LIFE” creates tools for Ecological service to mitigate cyanobacteria and macroalgae blooms in freshwater ecosystems. – *Botanica*, 25(1): 65–73. <https://doi.org/10.2478/botlit-2019-0007>.
3. Koreivienė J., Karosienė J., **Kasperovičienė J.**, Paškauskas R., Łęska B., Pankiewicz R., Juškaitė L., Zagorskis A., Wilk-Woźniak E., Valskys V., Gulbinas Z., Walusiak E., Krzton W., Morudov D., Radzevičius K., Treska E., Tabisz Ł., Papsdorf M., Piotrowicz Z., Messyasz B. 2019. EU project of LIFE programme ‘Algae Service for LIFE’ develops ecologically sustainable bioproducts from freshwater cyanobacteria and macroalgae biomass. – *Botanica*, 25(2): 176–185. <https://doi.org/10.2478/botlit-2019-0019>.
4. Koreivienė J., Savadova K., Mazur-Marzec H., Karosienė J., **Kasperovičienė J.**, Vitonytė I., Toruńska-Sitarz A. 2019. Effect of nutrients on native and alien nuisance cyanobacteria

- strains from temperate lakes and their interspecies competition. – *European Journal of Phycology*. 54 (1), 93. <https://doi.org/10.1080/09670262.2019.1626627>
5. Grendaitė D., Stonevičius E., Karosienė J., Savadova K., **Kasperovičienė J.** 2018. Chlorophyll-a concentration retrieval in eutrophic lakes in Lithuania from Sentinel-2 data. – *Geologija. Geografija*, 4(1): 15–28. <https://doi.org/10.6001/geol-geogr.v4i1.3720>.
 6. Koreivienė J., **Kasperovičienė J.** 2017: Diversity of green algae in Kamanos raised bog (NW Lithuania) with the aspect of long-term changes in desmids. – *Botanica Lithuanica*, 23(2): 130–138.
 7. Koreivienė J., **Kasperovičienė J.**, Savadova K., Karosienė J., Vitonytė I. 2016. Collection of pure cultures of algae and cyanobacteria for research, teaching and biotechnological applications (Nature Research Centre, Lithuania). – *Botanica Lithuanica*, 22(1): 87–92. <https://doi.org/10.1515/botlit-2016-0009>.
 8. Koreivienė J., **Kasperovičienė J.**, Karosienė J. 2015. Cyanobacteria diversity in the Kamanos raised bog (north-west Lithuania). – *Botanica Lithuanica*, 21(2): 139–149. <https://doi.org/10.1515/botlit-2015-0018>.
 9. Vitonytė I., **Kasperovičienė J.** 2015. Phytobenthos cyanobacteria species new to Lithuanian rivers. – *Botanica Lithuanica*. 21(2): 99–118.
 10. Vasiljev P., Bareikis R., Borodinas S., Struckas A., **Kasperovičienė J.** 2015. Compound Piezomechanical Systems of Algae Cell Disrupting. – *Energy Harvesting and Systems*. 2(3–4): 119–128.
 11. Vasiljev P., Bareikis R., Borodinas S., Struckas A., **Kasperovičienė J.** 2015. Piezo Pump Disruptor for Algae Cell Wall Ultrasonication. – *Energy Harvesting and Systems*. 2(3–4): 187–191.
 12. **Kasperovičienė J.**, Karosienė J., Koreivienė J., Savadova-Ratkus K., Vitonytė I., 2015. Peculiarities of *Gonyostomum semen* establishment in lakes of different trophic: an experimental approach. – *European Journal of Phycology* 50, sup1, Posters. 205, DOI: 10.1080/09670262.2015.1069493. ISSN: 0967-0262
 13. Savadova-Ratkus K., Koreivienė J., Sivonen K., **Kasperovičienė J.**, Suurnäkki S., Karosienė J., Wahlsten M., Vitonytė I., 2015. Variation of bloom forming cyanobacteria and microcystins in shallow hypertrophic lake. – *European Journal of Phycology* 50, sup1, Posters: 204, DOI: 10.1080/09670262.2015.1069493. ISSN: 0967-0262
 14. **Kasperovičienė J.**, Koreivienė J., Vasiljev P., Bareikis R., Borodinas S., Struckas A., 2015. Compound piezo-mechanical systems: a beneficial option for rupturing of microalgal cells. – *European Journal of Phycology* 50, sup1, Posters: 140. DOI: 10.1080/09670262.2015.1069493. ISSN: 0967-0262
 15. Kesminas V., Vezhnavets V.V., **Kasperovičienė J.**, Baichorov V.M., Steponėnas A., Rakauskas V., Arbačiauskas K., Kaunelienė D. 2014. Recommendations on reintroduction of crustaceans and fish, use of fish stocks, and improvement of the state of Lake Drūkšiai. – *Zoology and Ecology*. 24(2): 185–186.
 16. **Kasperovičienė J.**, Paškauskas R., Karosienė J. 2014. Phytoplankton community, Special Issue: Transformation in Lake Drūkšiai ecosystem upon Ignalina Nuclear Power Plant decommissioning. – *Zoology and Ecology*, 24: 92–98. <https://doi.org/10.1080/21658005.2014.925238>.
 17. **Koreivienė J.**, Belous O., Kasperovičienė J. 2013. Qualitative and quantitative variations of microcystins in the water bodies. *Botanica Lithuanica*, 19(2): 139–148. 10.2478/botlit-2013-0017
 18. K
 19. Vasiljev P., Bareikis R., Borodinas S., Struckas A., **Kasperovičienė J.** 2013. Piezomechanical systems for algae cell ultrasonication. – *World Academy of Science, Engineering and Technology, International Journal of Physical and Mathematical Sciences*. 7(2): 197–202.

20. Karosienė J., **Kasperovičienė J.** 2012. Peculiarities of epiphyton algal communities' formation on different macrophyte species. – *Botanica Lithuanica*, 18(2): 154–163. <https://doi.org/10.2478/v10279-012-0017-3>.
21. Servienė E., Kemežienė I., **Kasperovičienė J.**, Čapukoitienė B., Rančelienė V., Koreivienė J. 2012. Optimisation of DNA isolation and PCR parameters for RAPD analysis of *Gonyostomum semen* (Raphidophyceae). – *Botanica Lithuanica*, 18(1): 40–45.
22. Koreivienė J., **Kasperovičienė J.** 2011. Significance of coccoid green algae in plankton of small lakes in the eastern part of the Baltic Uplands. – *Botanica Lithuanica*, 17(2–3): 97–108.
23. Koreivienė J., **Kasperovičienė J.** 2011. Coccoid green algae flora in plankton of small lakes of the Baltic Uplands. – *Botanica Lithuanica*, 17(1): 13–29.
24. Makarevičienė V., Andrulevičienė V., Skorupskaitė V., **Kasperovičienė J.** 2011. Cultivation of microalgae *Chlorella* sp. and *Scenedesmus* sp. as a potential biofuel feedstock. *Environmental research. – Engineering and Management*. 3(57): 21–27.

Other reviewed scientific publications (books, books' chapters, collections of articles, articles, textbooks and etc.) (2011–2022):

1. D'Hondt E., Martin-Juárez J., Bolado S., Kasperoviciene J., **Koreiviene J.**, Sulcius S., Elst K., Bastiaens L. 2017. Cell Disruption technologies. – In: Gonzalez-Fernandez C., Muñoz R. (eds.). *Microalgae-Based Biofuels and Bioproducts*, Chapter 6: 133–154. ISBN: 978-0-08-101023-5. DOI: 10.1016/B978-0-08-101023-5.00006-6
2. Koreivienė J., **Kasperovičienė J.**, Karosienė J. 2012. Morphological variability of raphidophycean algae in the lakes of Lithuania. – In: Wołowski K., Kaczmarska I., Ehrman J. M., Wojtal A.Z. (eds). *Current advances in algal taxonomy and its applications. Phylogenetic, ecological and applied perspective*. Kraków. 153–164. ISBN: 9788362975037.
3. Koreivienė J., **Kasperovičienė J.**, Karosienė J. 2011. Cianotoksinai hidroekosistemose: priežastys ir pasėkmės. – *5-oji nacionalinė jūrinė mokslinė – praktinė konferencija "Jūros ir krantų tyrimai – 2011."*: 139–146. Klaipėda University.

PARTICIPATION IN INTERNATIONAL AND NATIONAL SCIENTIFIC PROGRAMMES AND PROJECTS (2012-2022)

| | |
|-------------|---|
| 2021 – 2023 | Researcher in EUREKA project „Design of functional fish feed additives from wild algal biomass (Eco-Aqua-Recycle)“ (Project leader: Dr. Nijolė Savickienė, Lithuanian University of Health Sciences). The Lithuanian Agency for Science, Innovation and Technology (MITA) agreement No 01.2.2-MITA-K-702-10-0008, grant number E!13474 ECO-AQUA-RECYCLE. |
| 2018 – 2023 | Researcher in EU Environment and Climate Policy (LIFE) project „Algae – economy based ecological service of aquatic ecosystems (AlgaeService for Life)“. Projektas No. LIFE17 ENV/LT/000407. http://algaeservice.gamtostyrimai.lt . |
| 2021 – 2023 | Researcher in the project of Environmental Protection Agency „Study on phytoplankton biomass harvesting by floating devices in the Curonian Lagoon and application of harvested biomass in bioreactors, agrotechnology or other purposes“. |
| 2012 – 2016 | Member of the management committee COST action Nr. ES1105 „Cyanobacterial blooms and toxins in water resources: Occurrence, impacts and management (CYANOCOST)“. |
| 2012 – 2014 | Project manager the project „Plankton communities response to <i>Gonyostomum semen</i> establishment and other biotic, abiotic factors (BeGONY)“ of the National |

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| | Research Programme „Ecosystems in Lithuania: climate change and human impact“. Research Council of Lithuania. |
| 2011 – 2012 | Researcher in project "Fauna transformation of the main aquatic ecosystems in Lake Drūksii (Lithuania-Belarus border water body), after stopping the operation of the Ignalina NPP, preparation of recommendations, monitoring, conservation measures for stable use". Lithuania-Belarus bilateral cooperation program in the field of science and technology. Research Council of Lithuania. |

PARTICIPATION IN SCIENTIFIC CONFERENCES

International scientific conferences (2018-2022):

1. Koreivienė J., Karosienė J., **Kasperovičienė J.**, Morudov D., Gedvilas A., Skorupskas R. **2022**. How dangerous are cyanobacterial blooms and what are the solutions to the problem? – *22nd Symposium of the International Association of Cyanophyte/Cyanobacteria Research*, rugpjūčio 14–18, České Budějovice, Čekijos Respublika. Book of Abstracts. <https://www.iac2022.cz/>
2. Ušinskienė A., Karosienė J., Jankauskienė J., **Kasperovičienė J.**, Koreivienė J. **2021**. Effect of *Cladophora glomerata* extracts on seeds germination. – *39th International conference of the Polish Phycological Society*, rugsėjo 27–30, Gdynia-Łeba, Lenkija. Book of Abstracts: 60.
3. Koreivienė J., Karosienė J., **Kasperovičienė J.**, Juškaitė-Drazdienė L., Skorupskas R., Valskys V., Gulbinas Z., Paškauskas R., Bakšienė E., Morudov D., Gedvilas A., **2021**. Harvesting of wild algal biomass from Lithuanian freshwaters and testing for bioproducts within the framework of the project AlgaeService for LIFE. – *39th International conference of the Polish Phycological Society*, rugsėjo 27–30, Gdynia-Łeba, Lenkija. Book of Abstracts: 23.
4. Morudov D., Karosienė J., **Kasperovičienė J.**, Bakšienė E., Jankauskienė J., Buzytė K., Koreivienė J., **2021**. Exploring the potential of *Cladophora glomerata* biomass as a fertilizer for barley growth. – *39th International conference of the Polish Phycological Society*, rugsėjo 27–30, Gdynia-Łeba, Lenkija. Book of Abstracts: 57.
5. Pašukonytė N., Savickienė N., **Kasperovičienė J.**, Miknienė Z., Balčiūnaitė-Murzienė G., **2021**. Protein Quantification by Lowry Microassay and Haemagglutinating Activity Determination of Proteins from Cyanobacteria Biomass in Different Animal RBC Suspensions. – *15th International Scientific Conference: The vital nature sign*, gegužės 20–21, Kaunas, Lietuva. Book of Abstracts: 73. http://vns.microsep.org/wp-content/uploads/2021/05/VNS-2021_Abstract-book_final.pdf
6. Wilk-Woźniak E., Karosienė J., Koreivienė J., Mantzouki E., Krztoń W., Walusiak E., **Kasperovičienė J.**, <...>, Gaęala-Borowska I. **2020**. Cyanobacterial diversity, biomass and cyanotoxins across the latitude in European freshwaters. – *International distance conference "Natural Toxins: Environmental Fate and Safe Water Supply"*, rugsėjo 24–25, Brno, Čekijos Respublika. Book of Abstracts: 107–108. <https://munispace.muni.cz/library/catalog/view/1725/4868/2684-1/1#preview>
7. Walusiak E., Koreivienė J., Wilk-Woźniak E., Karosienė J., **Kasperovičienė J.**, Juškaitė L., Zagorskis A., Paškauskas R., Gulbinas Z., Valskys V., Messyasz B., Łęska B., Pankiewicz R., Krzton W., Łaciak M. **2020**. Tools to manage cyanobacteria agglomerations in freshwater ecosystems. – *International distance conference "Natural Toxins: Environmental Fate and Safe Water Supply"*, rugsėjo 24–25, Brno, Čekijos Respublika. Book of Abstracts: 59. <https://munispace.muni.cz/library/catalog/view/1725/4868/2684-1/1#preview>
8. Judickaitė A., Savickienė N., **Kasperovičienė J.**, Miknienė Z., Balčiūnaitė-Murzienė G. **2020**. Haemagglutination study of proteins isolated from green algae *Monoraphidium griffithii* (Berk.) Komárk.-Legn. – *International distance conference "Contemporary*

- Pharmacy: Issues, Challenges and Expectations 2020 Autumn*”, spalio 23 d., Kaunas, Lietuva. Book of Abstracts: 28. <https://hdl.handle.net/20.500.12512/108413>
9. Paurytė A., Savickienė N., Balčiūnaitė-Murzienė G., Noreikaitė E., Karosienė J., Koreivienė J., **Kasperovičienė J.**, 2020. Determination of cyanobacteria protein quantity. – *International Students', Doctoral and Residents' Conference „Health for All: 2020“*, lapkričio 19–20 d., Kaunas, Lietuva. Book of Abstracts: 133–134. <https://smd.lt/download/2020-health-for-all/?wpdmdl=24166&refresh=5fc73ac0a8b0e1606892224>
 10. Pašukonytė N., Balčiūnaitė-Murzienė G., Savickienė N., Karosienė J., Koreivienė J., **Kasperovičienė J.**, Noreikaitė E., 2020. Bradford method for microcystis biomass protein quantification. – *International Students', Doctoral and Residents' Conference „Health for All: 2020“*, lapkričio 19–20 d., Kaunas, Lietuva. Book of Abstracts: 174–175. <https://smd.lt/download/2020-health-for-all/?wpdmdl=24166&refresh=5fc73ac0a8b0e1606892224>
 11. **Kasperovičienė J.**, Savadova K., Mazur-Marzec H., Karosienė J., Vitonytė I., Toruńska-Sitarz A., Koreivienė J. 2019. Importance of temperature on the growth of native and alien cyanobacteria strains from temperate lakes. – *11th Symposium for European Freshwater Sciences*, birželio 30 d.–liepos 5 d., Zagrebas, Kroatija. Book of Abstracts: 387.
 12. Noreikaitė E., Balčiūnaitė G., Karosienė J., Koreivienė J., **Kasperovičienė J.**, Savickienė, N. 2019. Determination of protein content extracted from lyophilized biomass of *Kirchneriella* sp. Schmidle. – *10th International pharmaceutical conference „Science and Practice“*, lapkričio 15 d. Kaunas, Lietuva. Book of Abstracts: 64. <https://ismuni.lt/cris/handle/20.500.12512/99531>.
 13. Grendaitė D., Stonevičius E., Karosienė J., Savadova K., **Kasperovičienė J.** 2019. Seasonal variation of satellite derived chlorophyll-a concentration in eutrophic and hypertrophic Lakes. – *2019 Living Planet Symposium*, gegužės 13–17, Milanai, Italija. <https://lps19.esa.int/NikalWebsitePortal/living-planet-symposium-2019/lps19/Agenda/AgendaItemDetail?id=f7446c8a-f07a-43a3-aebf-9743f93b64ce>
 14. Koreivienė J., Karosienė J., Vitonytė I., Savadova K., Staniulis D., Spudulytė S., Legotaitė M., Želvis K., **Kasperovičienė J.** 2019. Prospecting of indigenous freshwater microalgae as a resource for lipids and pigments. – *EUALGAE Final conference – European recent advances in the microalgae field*, vasario 26-27, Madridas, Ispanija.
 15. Koreivienė J., **Kasperovičienė J.**, Karosienė J., Savadova K., Vitonytė I., Valčiukas R., Staniulis D., Želvis K. 2018. Prospecting of indigenous freshwater microalgae as a valuable regional resource. – *37th International Conference of the Polish Phycological Society „Green future: algae – applications and perspective“*, gegužės 22-25, Krokava, Dobczyce-Jalowcowa Gora, Lenkija. Book of Abstracts: 28. ISBN 978-83-61191-01-8.
 16. Wilk-Woźniak E., Koreivienė J., Mantzouki E., Krztoń W., Walusiak E., Chmura D., Karosienė J., **Kasperovičienė J.**, <...>, Wasilewicz M. 2018. *Cyanotoxins and their producers in lakes of Central and Eastern Europe*. – *37th International Conference of the Polish Phycological Society „Green future: algae – applications and perspective“*, gegužės 22-25, Krokava, Dobczyce-Jalowcowa Gora, Lenkija. Book of Abstracts: 41. ISBN 978-83-61191-01-8
 17. Grendaitė, D., Stonevičius, E., Karosienė, J., Savadova, K., **Kasperovičienė, J.** 2018. Ecological water quality assessment of Lithuanian lakes using remote sensing. – *61st International Conference for Students of Physics and Natural Sciences „Open Readings 2018“*, kovo 20–23 d., Vilnius, Lithuania. Book of Abstracts: 314. <http://www.openreadings.eu/wp-content/uploads/2018/03/knyga-after.pdf>

PARTICIPATION IN THE STUDY PROCESS

Supervision of PhD students:

Biomedical sciences, botany (04 B)

| | | |
|----------------------|--|-----------|
| Vitonytė Irma | Dissertation topic: „Phytobenthos in Lithuanian rivers and its employment for the assessment of the ecological status of rivers“ | 2009-2012 |
| Karosienė Jūratė | Dissertation topic: „Spatial and seasonal formation of epiphyton algal communities in lakes of different trophic status“ | 2000-2008 |
| Koreivienė Judita | Dissertation topic: „Taxonomic and chorologic studies on <i>Chlorococcales</i> green algae in small lakes in eastern part of the Baltic uplands“ | 1997-2005 |
| Olenina Irina | Dissertation topic: „Phytoplankton of the coast of the Curonian Lagoon and the southeastern part of the Baltic “ | 1996-1997 |

Member of doctoral committeesBiomedical sciences, botany (04 B)

| | | |
|--------------------------|---|-----------|
| Kostkevieienė Jolanta | Dissertation topic: „Lietuvos upių ir upelių fitoplanktonas“ | 1994-2000 |
| Balevičiaus Aušrys | Dissertation topic: „Makrofitų bendrijų struktūra ir bioproduktivumas įvairaus trofiškumo ežeruose“ | 1997-2000 |

Reviewing of theses

| | | |
|----------------------|--|------|
| Vaičiūtė Diana | Dissertation topic: „Cyanotoxins and their accumulation in the Curonian Lagoon“. Biomedical sciences, Ecology and environment sciences (03B), hydrobiology, marine biology, aquatic ecology, limnology (B260). | 2015 |
| Kalytė Daiva | Dissertation topic: „Phytoplankton and zooplankton community structure and change in characteristic mesotrophic lake of Lithuania“. Biomedical sciences, Ecology and environment sciences (03B) | 2010 |
| Vaikutienė Giedrė | Dissertation topic: „Changes in the paleogeographical conditions of the central part of the Baltic Sea in the late Ice Age and Holocene according to diatom studies“. Physical sciences, geography (06P). | 2003 |

Supervision of bachelor and master students (totally 12 thesis):

| | | |
|--------------------------|---|-------------|
| Didžiokaite Patricija | Topic of bachelor thesis: „Biocompounds and their activity in wild cyanobacteria biomass“ (VU LSC, Microbiology and biotechnology study program) | 2021 – 2022 |
| Legotaitė Monika | Topic of bachelor thesis: „Peculiarities of growth and lipid synthesis in <i>Pediastrum</i> and <i>Scenedesmus</i> green algae“ (VU LSC, Microbiology and biotechnology study program) | 2018 – 2019 |
| Marcevičius Karolis | Topic of bachelor thesis: „Mechanical-physical treatment of microalgae cell wall degradation for bioproducts extraction“ (VMU Faculty of natural sciences, biotechnology study program) | 2016 – 2017 |

| | | |
|----------------------|---|-------------|
| Kareivaitė Greta | Topic of bachelor thesis: „The seasonal dynamics of autotrophic picoplankton in the humic lake“ (VU Faculty of natural sciences, Botanikos ir genetikos katedra) | 2013 – 2014 |
| Petraitis Deivius | Topic of bachelor thesis: „Effect of probiotics on the biodegradation of benthic algae causing „bloom“ in the lakes“ (Lithuanian University of Educology, Faculty of natural sciences, Department of Biology and Science Education) | 2011 – 2012 |

OTHERS

Science popularization activities and other works important for the development of the country's economy, culture and society

1. Koreivienė J., Karosienė J., **Kasperovičienė J.**, Savadova-Ratkus K. **2022.** Kablys>Žvejyba Pasakė, ar tinka žvejoti „žydinčiame“ vandens telkinyje: pažiūrėkite, kaip atrodo jame sugautos žuvies kepenys. Portal DELFI Published 2022-07-26. <https://www.delfi.lt/kablys/zvejyba/pasake-ar-tinka-zvejoti-zydinciame-vandens-telkinyje-paziurekite-kaip-atrodo-jame-sugautos-zuvies-kepenys.d?id=90809241.df>
2. **Kasperovičienė J.**, Karosienė J., Koreivienė J. **2021.** Ar po gilios, šaltos žiemos vandens telkiniuose vasarą „žydės“ melsvabakterės? Portal 15 min. <https://www.15min.lt/naujiena/aktualu/lietuva/ar-po-gilios-saltos-ziemos-vandens-telkiniuose-vasara-zydes-melsvabakteres-56-1463432>Mokslinių tyrimų pristatymas.
3. **Kasperovičienė J.**, Karosienė J., Koreivienė J. **2021.** Ar po žiemos vandens telkiniuose vasarą „žydės“ melsvabakterės? *Švenčionių kraštas*. Published 2021-03-20. https://www.svencioniukrastas.lt/index.php?option=com_content&view=article&id=7736:vandens-zydejimai-ar-saugu-maudytis-lietuvos-vandens-telkiniuose&catid=925:2020-m-rugpjio-12-d-treiadienis-nr601975.
4. **Kasperovičienė J.**, Karosienė J., Koreivienė J. **2021.** Melsvabakterės. Ar jos “žydės” po gilios, šaltos žiemos vandens telkiniuose vasarą? *Žaliasis pasaulis*. Published 2021-03-18. https://zpasaulis.lt/vandens-telkinu-zydejimai/?fbclid=IwAR2obxfOv31KD-tOyUySv72JiJnchsKNj5qt_tcxw4x1maG7fxMaygtgxKw.
5. **Kasperovičienė J.**, Koreivienė J., Karosienė J. **2020.** Vandens telkinių „žydėjimai“ klimato kaitos kontekste. *Žaliasis pasaulis*. <https://zpasaulis.lt/vandens-telkinu-zydejimai>.
6. Karosienė J., Koreivienė J., **Kasperovičienė J.** **2020.** Vandens „žydėjimai“ – ar saugu maudytis Lietuvos vandens telkiniuose? Portal 15 min. Published 2020-08-26. <https://www.15min.lt/naujiena/aktualu/lietuva/vandens-zydejimai-ar-saugu-maudytis-lietuvos-vandens-telkiniuose-56-1356698>.
7. Karosienė J., Koreivienė J., **Kasperovičienė J.** **2020.** Vandens „žydėjimai“. Ar saugu maudytis Lietuvos vandens telkiniuose? *Švenčionių kraštas*, Nr. 60 (19750) https://www.svencioniukrastas.lt/index.php?option=com_content&view=article&id=7736:vandens-zydejimai-ar-saugu-maudytis-lietuvos-vandens-telkiniuose&catid=925:2020-m-rugpjio-12-d-treiadienis-nr601975
8. Karosienė J., Koreivienė J., **Kasperovičienė J.** **2020.** Vandens „žydėjimai“ – ar saugu maudytis Lietuvos vandens telkiniuose? *Suvalkietis*, Published 2020-08-12. https://www.researchgate.net/publication/343879015_Suvalkietis_2020_08_12
9. Koreivienė J., **Kasperovičienė J.**, Karosienė J., Vitonytė I., **2012.** The blooming lakes. What we need to know about dangers in blooming lakes. – *Mokslas ir gyvenimas*, 10: 10–13.

Others:

1. Presentation of NRC LAME scientists' activities at the event "Festival of Green Ideas", dedicated to World Environment Day. Presidency of the Republic of Lithuania, Vilnius. 2022-06-05.
2. Kasperovičienė J., Karosienė J., Koreivienė J., Skorupskas R., Gedvilas A. 2022. [Cyanobacterial blooms in Kaunas Reservoir – a threat or an aesthetic problem?](https://algaeservice.gamtostyrimai.lt/demonstration-of-algae-harvesting-in-the-kaunas-reservoir/) – Teams platform. International seminar “Demonstration of algae harvesting in the Kaunas Reservoir”. Kaunas, 2022-06-09. <https://algaeservice.gamtostyrimai.lt/demonstration-of-algae-harvesting-in-the-kaunas-reservoir/>

Peer review of articles

Peer-reviewed articles for publication in journals *Botanica Lithuanica*, *Ekologija*, *Biologia (Bratislava)*, *Central European Journal of Biology*, *Scientific Research and Essays*, *CLEAN – Soil, Air, Water*, *Journal of Coastal Research*, *Environmental monitoring and assessment*, *Ecological Engineering*

Books review

1. Kostkevičienė J. 2009. – *Algologija*. Vilnius University publishing house, 354 p. (ISBN 978-9955-33-491-0).
2. Jankavičiūtė G. 1996. – *Lietuvos vandenu vyraujantys dumbliai*. The Science and Encyclopaedia Publishing house, Vilnius, 264. (ISBN 5-420-01358-4).

Curatorial Research Internship job

Ani Pogosian Armenian National Academy of Sciences, Institute of Geology.
2014-09-03 – 09-17

Membership in societies:

Lithuanian Phycological Society

The Federation of European Phycological Society (FEPS)

2022.12.12